

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1-13. (Canceled).

14. (Currently Amended) A method of embedding identification information in a main body of data of a digital record medium, ~~by using an error correction technology~~ comprising[:]:

error correction encoding ~~[[to]] digital data including digital contents to correct [[the]]~~
~~an error occurring in the~~ during transmission ~~line with which of~~ the main body of data is-
obtained;

embedding, based on position information, the identification information ~~[[to]]~~ in a
part of ~~[[said]]~~ the main body of data ~~to~~ upon which ~~[[an]]~~ the error correction encoding has
been performed ~~based on position information~~;

embedding the position information, after embedding the identification information ~~to~~
~~a part of said main body of data to which an error correction encoding has been~~
performed; and

storing ~~[[said]]~~ the main body of data, including the embedded identification
information and the embedded position information, into ~~[[said]]~~ the digital record medium.

15. (Previously Presented) The method according to claim 14, wherein said identification information is embedded to a data part stored in an area where control information of contents data in a record area is recorded.

16. (Canceled).

17. (Previously Presented) The method according to claim 14, wherein said identification information has a plurality of partial identification information; an information to acquire the embedded position of said identification information has an initial value information, an embedded position information indicating an embedded position of said plurality of partial identification information, and a plurality of position information to acquire a position of said embedded position information;

a first position information to acquire the position of said embedded position information is recorded at a position obtained by converting said initial value information by a predetermined function or a position shown by a position obtained as a result of the conversion; and

a second or later position information is recorded in another position of the position obtained by converting a storage information of a position of a result when an information stored at another position of a side where said position information is not stored is further converted by said predetermined function in any positions obtained by a conversion result of said predetermined function, or a storage information at a position indicated to a position of a result of conversion one by one.

18. (Previously Presented) The method according to claim 14, wherein
said identification information has a plurality of partial identification information;
an information to acquire an embedded position of said identification information
has an initial value information, an embedded position information indicating the
embedded position of said plurality of partial identification information, and a plurality of
position information to acquire a position of said embedded position information;
an initial position information is recorded at a position obtained by converting said
initial value information by a predetermined function or a position shown by a position
obtained as a result of conversion by said predetermined conversion formula; and
a position information after that is recorded at a position based on a data recorded
by a predetermined distance at a position indicated by a position information obtained
immediately before or a distance obtained by a predetermined conversion formula, or a
position obtained by converting a position information obtained immediately before by a
predetermined conversion formula.

19. (Previously Presented) The method according to claim 14, wherein an
embedded position of said identification information is given by a table form.

20. (Previously Presented) The method according to claim 14, wherein said
presentation target data is scrambled or encoded to make said identification information a
key before an error correction encoding is performed.

21. (Currently Amended) A method of extracting an identification information from a main body of data of a digital record medium, ~~in which includes the main body of data including~~ embedded identification information and position information, ~~by using an error correction technology~~ comprising[[:]]:

reading [[said]] the main body of data ~~in which includes embedded identification information~~ from [[said]] the digital record medium;

extracting [[said]] the identification information from the main body by an error correction decoding based on the position information; and

error correction decoding the main body of data after extracting [[said]] the identification information in which original digital data is obtained.

22. (Currently Amended) A method of embedding identification information in a main body of data of a digital record medium by using an error correction technology comprising[[:]]:

encrypting digital data ~~including digital contents~~ by using [[said]] the identification information;

error correction encoding ~~to said~~ the encrypted digital data including digital contents to correct [[the]] an error occurring ~~in the~~ during transmission ~~line with which~~ of the main body of data ~~is obtained~~;

embedding, based on position information, the identification information [[to]] in a part of [[said]] the main body of data [[to]] upon which [[an]] the error correction encoding is performed ~~based on position information~~;

embedding the position information [[to]] in a part of [[said]] the main body of data [[to]] upon which an the error correction encoding is performed; and

storing [[said]] the main body of data₁ including [[said]] the embedded identification information₁ into [[said]] the digital record medium.

23. (Previously Presented) The record medium according to claim 22, wherein said identification information is embedded to a data part stored in an area where control information of contents data in a record area is recorded.